



Dart Aerospace Ltd.
1270 Aberdeen St
Hawkesbury, ON
K6A 1K7
Canada

Tel (613) 632-5200
Fax 613 632-5246

D5503-1
Job Sheet 196949



Part No: D5503-1

Job Qty: 4 pcs

Part Name: Windscreen Wiper Post Deflector, LH



Part Weight: 0 lbs

Status: New

Priority: Medium

Job Created: 6/25/19

Job Tracking No:

Due Date: 7/5/19

Created By: Kimberley Guerin

Type: SOLD

Description:

Ship Via:

Bill of Materials

Job Routing

Op No	Operation	Qty	Start Date	Due Date	Standard		Workcenter/Supplier		Sign-off
					Setup Hrs	Run Hrs	Workcenter / Supplier	Lead Time	
100	Bandsaw - 1	4 pcs	7/5/19	7/5/19	0.00	0.13	Bandsaw - 1		<i>JS 19-07-15</i>
105	HAAS 5 Axis - B4B	4 pcs	7/5/19	7/5/19	0.75	2.67	HAAS - 5 - B4B		<i>JS 19-07-15</i>
110	QC 2	4 pcs	7/5/19	7/5/19	0.00	0.00	QC 2 - 1		
							QC 2 - 12		
							QC 2 - 14		
							QC 2 - 17		
							QC 2 - 19		
							QC 2 - 2		
							QC 2 - 20		<i>JS 19-07-15</i>
							QC 2 - 22		
							QC 2 - 23		
							QC 2 - 25		
							QC 2 - 32		
							QC 2 - 33		
							QC 2 - 35		
							QC 2 - 39		
							QC 2 - 4		
							QC 2 - 40		
							QC 2 - 44		
							QC 2 - 45		
							QC 2 - 48		
							QC 2 - 49		
							QC 2 - 50		
							QC 2 - 51		
							QC 2 - 52		
							QC 2 - 57		
							QC 2 - 62		
							QC 2 - 63		
							QC 2 - 8		
							QC 2 - 66		
							QC 2 - 64		
							QC 2 - 65		



Container No: S198094



Part: D5503-1

Job No: 196949

Serial No/Batch: S198094

Revision: A

Inspector:

Exp Date:

Instructions:

Dart Aerospace Ltd.
1270 Aberdeen Street
Hawkesbury, ON K6A 1K7
CANADA
TEL.: 1 613 632-5200
Email: sales@dartaero.com
www.dartaerospace.com

Date: 07/15/19

Plex 6/25/19 4:12 PM Dart.Guerin.Kimberley

117 QC 8	4 pcs	7/5/19	0.00 0.00	QC 2 - 5	
				QC 2 - 71	
				QC 2 - 73	
				QC 2 - 69	
				QC 8 - 12	
				QC 8 - 14	
				QC 8 - 17	
				QC 8 - 20	
				QC 8 - 25	
				QC 8 - 3	
				QC 8 - 32	
				QC 8 - 33	
				QC 8 - 35	
				QC 8 - 39	
				QC 8 - 4	
				QC 8 - 44	
				QC 8 - 45	
				QC 8 - 49	mm L 19/07/19
				QC 8 - 58	
				QC 8 - 8	
				QC 8 - 9	
				QC 8 - 68	
				QC 8 - 67	
				QC 8 - 1 (A)	
				QC 8 - 47	
				QC 8 - 40	
				QC 8 - 52	
				QC 8 - 23	
				QC 8 - 57	
120 Outsource - 4 - Anodize	4 pcs	7/5/19	0.00 0.00	ATG 001	2019-07-16
130 Packaging 2-1 - Receive - B4B	4 pcs	7/5/19	0.00 0.00	Packaging 2 - 1 - B4B	
				Packaging 2 - 2 - B4B	
				Packaging 2 - 3 - B4B	
				Packaging 2 - 5 - B4B	
				Packaging 2 - 4 - B4B	
				Packaging 2 - 6 - B4B	
				Packaging 2 - 7 - B4B	
				Packaging 2 - 8 - B4B	
				Packaging 2 - 9 - B4B	
				Packaging 2 - 10 - B4B	
				Packaging 2 - 11 - B4B	
				Packaging 2 - 12 - B4B	
				Packaging 2 - 13 - B4B	
				Packaging 2 - 14 - B4B	
				Packaging 2 - 15 - B4B	
				Packaging 2 - 16 - B4B	
				Packaging 2 - 17 - B4B	
				Packaging 2 - 18 - B4B	
				Packaging 2 - 19 - B4B	
				Packaging 2 - 20 - B4B	
				Packaging 2 - 21 - B4B	
				Packaging 2 - 22 - B4B	
				Packaging 2 - 23 - B4B	
				Packaging 2 - 24 - B4B	
				Packaging 2 - 25 - B4B	
				Packaging 2 - 26 - B4B	
				Packaging 2 - 27 - B4B	
				Packaging 2 - 28 - B4B	
				Packaging 2 - 29 - B4B	

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				Packaging 2 - 30 - B4B	
				Packaging 2 - 31 - B4B	
				Packaging 2 - 32 - B4B	
				Packaging 2 - 33 - B4B	
				Packaging 2 - 34 - B4B	
				Packaging 2 - 35 - B4B	
				Packaging 2 - 36 - B4B	
140	QC 5 6	4 pcs	7/5/19	0.00 0.00	QC 5 - 10
					QC 5 - 12
					QC 5 - 17
					QC 5 - 18
					QC 5 - 19
					QC 5 - 22
					QC 5 - 24
					QC 5 - 3
					QC 5 - 43
					QC 5 - 49
					QC 5 - 51
					QC 5 - 58
					QC 5 - 68
					QC 5 - 9
					QC 5 - 50
					QC 5 - 30
					QC 5 - 40

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190 QC 21 - SA		4 pcs	7/5/19	0.00 0.00	Packaging 3 - 36 - B4B	
					QC 21 - SA - 21	
					QC 21 - SA - 70	DAS
					QC 21 - SA - 53	21 AUG 07 2019

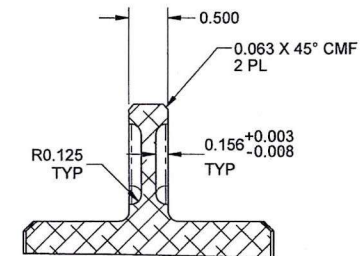
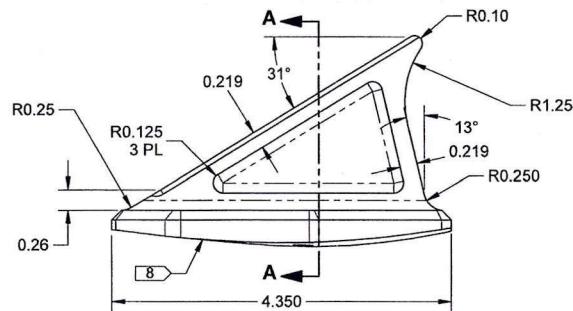
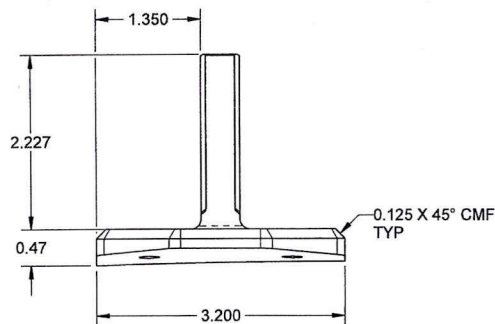
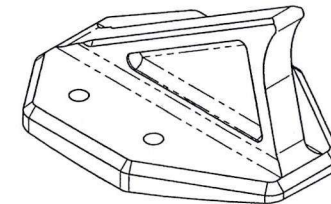
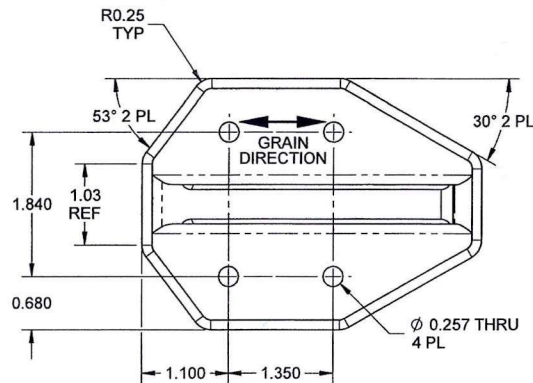
Part Op **100** - Bandsaw - CUT AT 4.600" LONG
 Descriptions: **105** - HAAS CNC vertical machine #5 - 1-Machine per folio FB554 DWG REV: A FOLIO REV: AA 2-
 Deburr and break all sharp edges
110 - QC2- Inspect parts off machine FAI/FAIB
117 - QC8- Inspect parts - second check
120 - Outsource process-Anodize per QSI017 4.1.10.1 - Issue P/O to ATG: 44020 HARD ANODIZE COLOR
 BLACK, PER IAW MIL-A-8625F TYPE 3 CLASS 2 PRIME AS PER IAW MIL-P-23377J TYPE 1 CLASS N ***1-2 MIL MAX
 AS PER QSI005*** Certification of Conformity is required
130 - Receive & Inspect for Damage & Mat'l Certs
140 - QC5- Inspect part completeness to step on W/O
170 - Identify as per dwg & Stock Location: _____
190 - QC21- Final Inspection - Work Order Release

Job BOM				
Part / Item	Component Name	Quantity	Operation	Container
M7075T6S3.000X4.000	7075-T6S Sheet 3.000" Thick X 4.000" Wide <u>4.000" x 3.000"</u>	1.5200 ft (.38 ea)	100-Bandsaw - 1	<u>5070017</u>

Job Allocations				
Operation	Component Part	Required	Inventory	Allocated
100-Bandsaw - 1	M7075T6S3.000X4.000 <u>4.000 x 3.000"</u>	2	14	0

Part Specifications
Specifications could not be found.

Plex 6/25/19 4:12 PM Dart.Guerin.Kimberley



SECTION A-A

D5503-1 WINDSCREEN WIPER POST DEFLECTOR, LH

NOTES:

- 1) MATERIAL: 7075-T6/T62/T651 ALUMINUM PLATE
PER QQ-A-250/12 OR AMS-QQ-A-250/12 OR AMS 4045 OR ASTM B209
REF. DART SPEC M7075T6S
OR
7075-T6/T651/T6510/T6511/T62 ALUMINUM BAR
PER AMS-QQ-A-225/9 OR AMS 4122/4123/4186/4187 OR AMS-QQ-A-200/11
REF DART SPEC M7075T6B
- 2) FINISH: HARD ANODIZE IAW MIL-A-8625F TYPE III, CLASS 2, COLOR BLACK
PRIME IAW MIL-P-23377J TYPE I CLASS N, 1-2 MIL MAX, AS PER QSI 005
- 3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
- 4) UNITS: INCHES UNLESS OTHERWISE NOTED
- 5) BREAK SHARP EDGES: 0.005 TO 0.010 MAX
- 6) IDENTIFICATION: IDENTIFY WITH DART P/N "D5503-1" TAI P/N "RC95T400400VN", DWG REVISION,
BATCH NUMBER AND MANUFACTURE DATE PER QSI 044 METHOD 6.2
- 7) WEIGHT: 0.57 lbs (0.26 kgs)
- 8) ALL NON-DIMENSIONED FEATURES PER CAD FILE D5503-1a.STEP

RELEASED

2019 JUN 11
E.N. 19-767

APPROVED

APPROVED

A	NEW ISSUE		JMH	18.01.15
REV.	DESCRIPTION		BY	DATE
DESIGN	JMH	DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA		
DRAWN	JMH			
CHECKED	ZF	DRAWING NO.		REV. A
MFG. APPR.	JFS	D5503		SHEET 1 OF 2
APPROVED	DSW	TITLE		SCALE
DE APPR.	N/A	WIPER POST DEFLECTOR		NTS
DATE	18.01.15	COPYRIGHT © 2018 BY DART AEROSPACE LTD THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL, AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS NOT TO BE USED FOR ANY PURPOSE OR COPIED OR COMMUNICATED TO ANY OTHER PERSON WITHOUT WRITTEN PERMISSION FROM DART AEROSPACE LTD.		

DART AEROSPACE LTD		Work Order: 196 949
Description: Windscreen wiper post deflector, LH		Part Number: D5503-1
Inspection Dwg: D5503 Rev: A		Page 1 of 1

INSPECTION SHEET

Drawing Dimension	Tolerance	Actual Dimension	Accept	Reject	Method of Inspection	Comments
30°	+/- .5°	30°	✓		Protractor	
53°	+/- .5°	53°	✓			
R.25	+/- .030	.250	✓		Rad gauge SLIO VEIN	
1.840	+/- .010	1.840	✓			
.680	+/- .010	.680	✓		↓	
1.100	+/- .010	1.100	✓			
1.350	+/- .005	1.350	✓			
Ø.257	+ .006/- .001	.258	✓			
1.350	+/- .010	1.350	✓			
2.227	+/- .010	2.227	✓			
.47	+/- .030	.470	✓			
3.200	+/- .010	3.200	✓			
.125 x 45°	+/- .010 x .5°	.123	✓			
.26	+/- .030	.265	✓			
4.350	+/- .010	4.350	✓		Rad gauge	
.219	+/- .010	.219	✓			
.219	+/- .010	.219	✓		↓	
R.25	+/- .030	.250	✓			
R.125	+/- .010	.125	✓		Protractor	
R.10	+/- .030	.100	✓			
R.125	+/- .030	1.250	✓		Rad gauge SLIO VEIN	
R.25	+/- .030	.250	✓			
31°	+/- .5°	31°	✓		↓	
13°	+/- .5°	13°	✓			
R.125	+/- .010	.125	✓		↓	
.500	+/- .010	.498	✓			
.063 x 45°	+/- .010	.060	✓		↓	
.156	+ .003/- .008	.157	✓			

Measured by: 20 9-89	Checked by: [Signature]	QC Inspector:
Date: 19-07-15	Date: 19/07/16	Date:

Engineering Approval: (If necessary)	Date:
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Rev	Date	Change	Revised by	Approved
B	14.07.31	New Issue	KJ	



Dart Aerospace Ltd.
1270 Aberdeen St
Hawkesbury, ON
K6A 1K7
Canada

Tel (613) 632-5200

PURCHASE ORDER

POHB044020



Supplier: ATG001-VC
A.T.G. Industries Inc
731 INDUSTRIELLE ROAD
ROCKLAND
ON
K4K 1T2 Canada
Phone: 613-446-4544
Fax: 613-446-4556

Attention: Lalonde, Marc-Andre

Ship To: 1270 Aberdeen Street
Hawkesbury
ON
K6A 1K7 Canada
Phone: 613-632-5200

PO No: POHB044020

PO Date: 7/16/19

Due Date: 7/22/19

**Purchase Order
Revision:**

Revision Date:

Ship-To Contact: Phone:

Via: Ground

Pymt Terms: Net 30

Freight Terms:

Special Comments: ***RUSH***

E-MAILED
2019-07-18

Items

Line Item	Job	Part	Description	Status	Account	Due Date	Order Quantity	Received Quantity	Balance	Unit Price (CAD)	Extended Price
1	196947	D5502-9	Windshield Deflector - Mid Outsource process-Anodize per QSI017 4.1.10.1 - Issue P/O to ATG: HARD ANODIZE COLOR BLACK, PER IAW MIL-A- 8625 TYPE 3 CLASS 2 PRIME AS PER IAW MIL-P- 23377J TYPE 1 CLASS N ***1-2 MIL MAX AS PER QSI005*** Certification of Conformity is required	Firmed	-	7/22/19	4 pcs	0 pcs	4 pcs	\$18.75/pcs	\$75.00
2	196950	D5503-2	Windscreen Wiper Post Deflector, RH Outsource process-Anodize per QSI017 4.1.10.1 - Issue P/O to ATG: HARD ANODIZE COLOR BLACK, PER IAW MIL-A- 8625F TYPE 3 CLASS 2 PRIME AS PER IAW MIL-P- 23377J TYPE 1 CLASS N ***1-2 MIL MAX AS PER QSI005*** Certification of Conformity is required	Firmed	-	7/22/19	4 pcs	0 pcs	4 pcs	\$18.75/pcs	\$75.00



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K6A 1K7
Canada

Tel (613) 632-5200

PURCHASE ORDER

POHB044020



Items											
Line Item	Job	Part	Description	Status	Account	Due Date	Order Quantity	Received Quantity	Balance	Unit Price (CAD)	Extended Price
3	196949	D5503-1	Windscreen Wiper Post Deflector, LH Outsource process-Anodize per QSI017 4.1.10.1 - Issue P/O to ATG: HARD ANODIZE COLOR BLACK, PER IAW MIL-A-8625F TYPE 3 CLASS 2 PRIME AS PER IAW MIL-P-23377J TYPE 1 CLASS N ***1-2 MIL MAX AS PER QSI005*** Certification of Conformity is required	Firmed	-	7/22/19	4 pcs	0 pcs	4 pcs	\$18.75/pcs	\$75.00
4	196943	D5502-1	Windshield Deflector - Upper (Outsource process-Anodize per QSI017 4.1.10.1) Issue P/O to ATG: HARD ANODIZE COLOR BLACK, PER IAW MIL-A-8625 TYPE 3 CLASS 2 PRIME AS PER IAW MIL-P-23377J TYPE 1 CLASS N ***1-2 MIL MAX AS PER QSI005*** Certification of Conformity is required	Firmed	-	7/22/19	4 pcs	0 pcs	4 pcs	\$18.75/pcs	\$75.00
Grand Total:										\$300.00	

Order Notes

Procurement Quality Clauses
A005 right of entry
A012 chemical and physical test report
A016 personnel qualification
A017 raw material identification (as applicable)

A022 Apical Processing
A024 process certifications
A026 certification of material conformance

A041 quality management system
A042 dart notification by supplier
A043 retention of quality documents

A048 counterfeit parts avoidance, detection, mitigation and disposition program

A049 supplier awareness

Terms & Condition of Purchasing(Suppliers) and Procurement Quality Clauses are an integral part of our AS9100 requirements. To learn in detail, please visit www.dartaerospace.com for further explanation.

Plex 7/18/19 8:32 AM Dart.Guerin.Kimberley



A.T.G. Industries Inc.
760 Industrielle Street
Rockland, ON K4K 1T2
Canada

Ph: (613) 446-4544

Fax: (613) 446-4556

Pack List

Number: 918252

Date: 19-Jul-19

To

Dart Aerospace Ltd
1270 Aberdeen St
Hawkesbury, ON K6A 1K7

Ship To

Patrick Lussier
Dart Aerospace Ltd
1270 Aberdeen St
Hawkesbury, ON K6A 1K7

Ph: 613 632-9577

Fax: 613 632-1053

Ph: 613 632-9577

Fax: 613 632-1053

Terms		Ship Via	
		ATG Delivery	
Quantity	Description		
	Please reference this document's Pack List number on all correspondences regarding this shipment. If you have any questions, please contact us.		
✓ 4 ea	Part: D5502-9 ✓ Windshield Deflector-Mid Hard Anodize per MIL-A-8625F, Type III, Class2,Black, .0005-.0045" (.5 - 4.5mils) Prime as per IAW MIL-P-23377J Type 1 Class N ***1-2 mil max per QS1005*** Job: 25491 PO: POHB044020 ✓		Rev: A Line: 1
✓ 4 ea	Part: D5503-2 ✓ Windshield Wiper Post Def RH Hard Anodize per MIL-A-8625F, Type III, Class2,Black, .0005-.0045" (.5 - 4.5mils) Prime as per IAW MIL-P-23377J Type 1 Class N ***1-2 mil max per QS1005*** Job: 25492 PO: POHB044020 ✓		Rev: A Line: 2
✓ 4 ea	Part: D5503-1 ✓ Windshield Wiper Post Def LH Hard Anodize per MIL-A-8625F, Type III, Class2,Black, .0005-.0045" (.5 - 4.5mils) Prime as per IAW MIL-P-23377J Type 1 Class N ***1-2 mil max per QS1005*** Job: 25493 PO: POHB044020 ✓		Rev: A Line: 3
✓ 4 ea	Part: D5502-1 ✓ Windshield Deflector-Upper Hard Anodize per MIL-A-8625F, Type III, Class2,Black, .0005-.0045" (.5 - 4.5mils) Prime as per IAW MIL-P-23377J Type 1 Class N ***1-2 mil max per		Rev: A
Made in Canada.			

RECEIVED

JUL 19 2019

DART AEROSPACE LTD.

RECEIVED

JUL 19 2019

DART AEROSPACE LTD.



A.T.G. Industries Inc.
760 Industrielle Street
Rockland, ON K4K 1T2
Canada

Ph: (613) 446-4544

Fax: (613) 446-4556

Pack List

Number: 918252

Date: 19-Jul-19

To

Dart Aerospace Ltd
1270 Aberdeen St
Hawkesbury, ON K6A 1K7

Ship To

Patrick Lussier
Dart Aerospace Ltd
1270 Aberdeen St
Hawkesbury, ON K6A 1K7

Ph: 613 632-9577

Fax: 613 632-1053

Ph: 613 632-9577

Fax: 613 632-1053

Terms		Ship Via	
		ATG Delivery	
Quantity	Description		
	QS1005*** Job: 25494 PO: POHB044020 ✓		
	Line: 4		
CERTIFICATE OF CONFORMANCE A.T.G Industries Inc. certifies that all items in this shipment conform to the requirements. Date: <u>JUL 19 2019</u> Certified Signature: <u></u> Receiver Signature: _____ A.T.G Industries Inc. is AS9100 Registered and Nadcap Chemical Processing Accredited. Note: This Packing Slip may contain parts that have been PLATED. Items that are plated may be subject to natural tarnishing and it is suggested that they be inspected within 24 hours of receipt.			
Made in Canada.			